

## RFID TAG AND PRINTER SYSTEM

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### 10 ABSTRACT OF THE DISCLOSURE

An RFID label with embedded tag is passed through an RFID antenna in a printer system, where the RFID antenna allows a roll of such labels to pass in close proximity to the antenna and still allow each individual RFID tag  
15 to be read and/or programmed. The RFID antenna has a rectangular RF field spreader in contact with a triangular divergent RF conductor with an RF source point at the point. Ground planes are located on either side of the antenna. In another embodiment, the printer  
20 system extracts or parses bar code commands from a data stream and passes the commands to both a printer and an RFID reader to print the image and program the tag with the bar code information.